



New Jersey Department of Environmental Protection
NOTICE OF VACANCY
(Filling of this position is contingent upon further approval process)
Posting Number: SB21-4

☐ **DIVISION/PROGRAM** ☐ **DEPARTMENT** ☒ **STATEWIDE** ☐ **NATIONWIDE**

TITLE: Geographic Information Systems Specialist 3

SALARY: (P21) \$54,684.00 - \$77,418.81

OPENING DATE: January 4, 2021

CLOSING DATE: January 18, 2021

EXISTING VACANCIES: One (1)

WORKWEEK: NL (35-Hour) Workweek

PROGRAM/LOCATION: DEPARTMENT OF ENVIRONMENTAL PROTECTION
Watershed and Land Management Program
Division of Land Resource Protection
Bureau of Tidelands
501 East State Street
Trenton, NJ 08625

SCOPE OF ELIGIBILITY: Open to candidates who meet the requirements below.

DESCRIPTION: Under supervision of a higher-level Geographic Information System (GIS) Specialist or other supervisory official, performs professional GIS work relating to the geographic analysis of environmental parameters and or/other factors, image processing, interpretation, and application of remote sensing data; performs geographic data digitizing; operates all computer hardware and software associated with the Geographic Information System; does related duties.

PREFERRED SKILL SET: Knowledge of Python programming language and webpage management is preferred. Extensive knowledge of ESRI ArcGIS software for both desktop-based systems and web-based applications is strongly preferred.

SPECIFIC TO THE POSITION: Duties will include creation and maintenance of GIS Data Layers that can be viewed by the public as well as internal staff. The information for these layers will be from both spatial and non-spatial digital data, hard-copy historic maps and aerial photography in support of the Bureau of Tidelands' mission to manage lands currently or formally flowed by water owned by the State. This work can include geo-referencing scanned maps and aerial photography; feature identification, classification and enhancement; area calculations and spatial analysis on both raster and vector data. Use GIS research to assist in establishing Tidelands policies and prepare reports outlining recommendations to the Tidelands Resource Council for deliberations concerning the disposition of State-owned lands and to process Tidelands Grants and Licenses. Provide hardware and software support as needed, including GIS Training and user assistance for system users. Will participate in enhancement/development of GIS technology to support online permit applications currently being developed by the Department. Assist in the development/use of data collected in the field using portable devices such as tablets, smartphones, and GPS units. Prepare technical reports and communicate with applicants. Assist in maintaining the Watershed and Land Management website, as well as assist with the IT group.

PREFERRED SKILL SET: Knowledge of Python programming language and webpage management. Extensive knowledge of ESRI ArcGIS software for both desktop-based systems and web-based applications is strongly preferred.

REQUIREMENTS:

EDUCATION: Graduation from an accredited college with a Bachelor's degree **NOTE:** All U.S. degrees and transcripts must be from an accredited college or university. All foreign degrees and transcripts must be evaluated for accreditation by a recognized evaluation service by the closing date of this posting. Failure to provide documentation may result in ineligibility.

EXPERIENCE: Two (2) years of experience with geographic information systems including computer graphics and computer hardware digitizing procedures. **NOTE:** A Master's degree in Geography, or Environmental Science including or supplemented by the additional credits indicated below may be substituted for one (1) year of the indicated experience. **NOTE:** Applicants who do not possess the required education may substitute experience as indicated below on a year-for-year basis. **NOTE:** A specific Bachelor's degree in Geography, Environmental Science or related field with twelve (12) semester hours in computer mapping/GIS which shall have included spatial programming and digital image processing may be substituted for one (1) year of the above experience.

LICENSE: Appointees will be required to possess a driver's license valid in New Jersey only if the operation of a vehicle, rather than employee mobility, is necessary to perform the essential duties of the position.

RESIDENCY: All persons newly hired on or after September 1, 2011 have one year from the date of employment to establish, and then maintain principal residence in the State of New Jersey subject to the provisions of N.J.S.A. 52:14-7 (L.2011, Chapter 70), also known as the "New Jersey First Act".

AUTHORIZATION TO WORK: Selected candidates must be authorized to work in the United States per the Department of Homeland Security, United States Citizenship and Immigration Services Regulations. **NOTE:** The State of New Jersey does not provide sponsorship for citizenship to the United States.

NOTE: Interviews will be granted based on the cover letter, resume, and credentials submitted in response to this notice. Applicants may be required to provide a copy of their transcripts at time of interview. Selected candidate(s) shall not be serving a working test period at the time of the appointment. Please include the posting number in the subject of the e-mail when submitting your credentials.

If you have established Veteran's Preference with the Department of Military and Veterans Affairs, please submit proof of this along with your resume.

SUBMIT LETTER OF INTEREST, RESUME AND E-MAIL ADDRESS BY 4:00 PM ON THE CLOSING DATE TO:

Sam Baldeo
Watershed and Land Management
PO Box 420; Mail Code 401-07B
Trenton, NJ 08625-0420
E-mail Address: LUM.resumes@dep.nj.gov

POSTING AUTHORIZED BY: Phiroza Stoneback, Manager
Division of Human Resources

**Accommodations will be made for qualified applicants or employees with disabilities
New Jersey Department of Environmental Protection is an Equal Opportunity Employer**